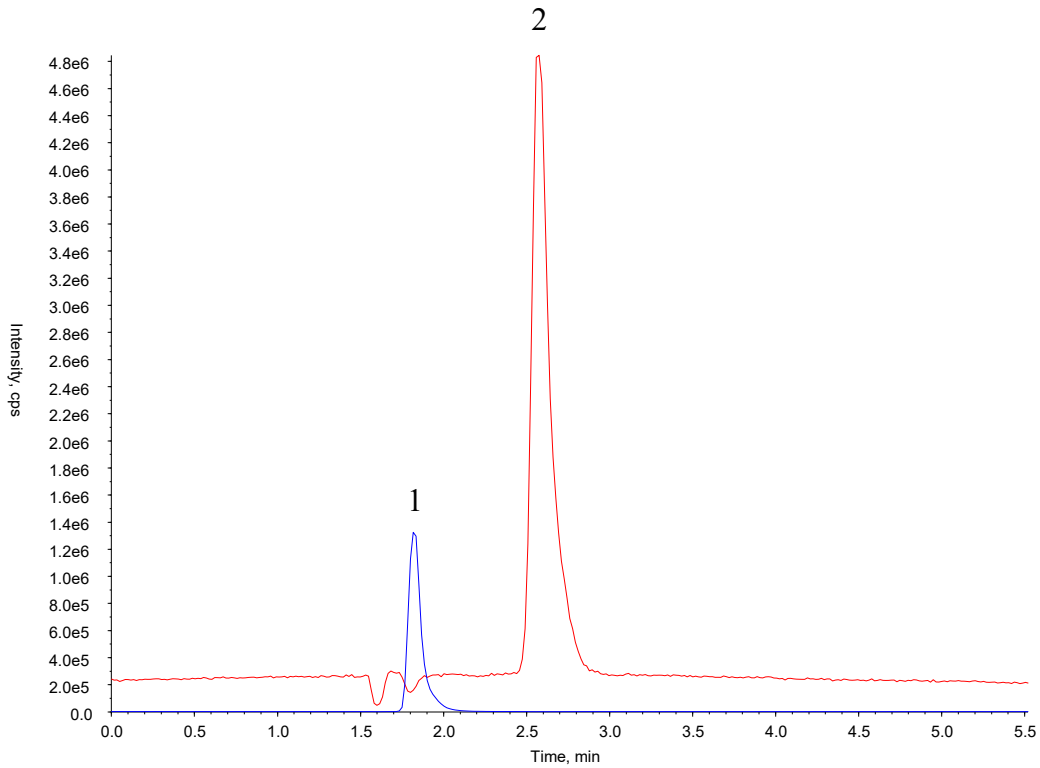
Analysis of Difluoroacetic acid and Trifluoroacetic acid



Conditions

System : ExionLC AD (SCIEX)
Qtrap 6500+
Column : InertSustain AQ-C18 (GL Sciences Inc.)
(3 μm, 150 x 2.1 mm I.D., Metal-free hardware)
Delay Column : Delay column for PFAS
(30 x 3.0 mmI.D.)
Column Cat. No. : 5020-87063
Delay Column Cat.No. : 5020-90005
Eluent : A) 10 mM CH_3COONH_4,
0.1 % CH_3COOH in H_2O
B) CH_3CN

Time (min)	A (vol %)	B (vol %)
0	95	5
2.0	95	5
8.0	2	98
8.1	95	5
12.0	95	5

Flow Rate : 0.2 mL/min
Col. Temp. : 40 ℃
Detection : MS/MS (ESI, Negative)

CUR	CAD	IS	TEM	GS1	GS2
35	10	-4500	400	30	30

Injection Vol. : 3 μL
Sample : Standard

Analyte:
1. Trifluoroacetic acid 500 ng/mL
(Q1/Q3 = 112.8/68.8)
2. Difluoroacetic acid 500 ng/mL
(Q1/Q3 = 94.8/50.9)